

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	((adjustable or tunable) near2 filter) with stop band filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 07:10
L2	6	((adjustable or tunable) near2 filter) with stop band filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 07:40
L3	246	antenna with ((tunable or adjustable) near2 filter\$1)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 08:02
L4	93	3 and ((plurality or multi or multiple or array) near2 antenna)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 13:57
L5	12058	((tunable or adjustable) near2 filter\$1)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 08:02
L6	23	5 with distributor	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 08:12
L7	1	distributor with (time division demultiplexer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 08:13
L8	0	separator with (time division demultiplexer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 08:13
L9	5	separator with (time division demultiplexer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 08:40
L10	1	(distributor or separator) with decoders with (despread\$3 codes)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 08:42
L11	1	"6664921".pn. and decod\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 08:42
L13	2766	antenna with remote with transmitter	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 09:02
L14	625	13 and ((plurality or multi or multiple or array) near2 antenna)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 09:05
L15	625	14 and transmitter	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 09:06
L16	64	14 and dac and location	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 09:48

## EAST Search History

L17	1	combiner with downconvert\$3 with mixer with antenna	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 09:54
L19	18	combiner with (frequency multiplexer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 10:15
L20	1	combiner with ((CDMA or (code near2 division near2 multiple near2 access)) near3 multiplexer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 10:38
L21	260	antenna with (determin\$3 or detect\$3) with frequency with interfer\$4 with signal	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 10:40
L22	15	21 with receiver with ((plurality or multi or multiple or array) near2 antenna)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 11:21
L23	1	10/380587	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 10:51
L24	1	23 and "132"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 11:08
L25	89	receiver and (combiner with bypass)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 11:19
L26	152	receiver with remote antenna	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 12:48
L27	3	26 with ((plurality or multi or multiple or array) near2 antenna)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 12:59
L30	44	spatial diversity and remote antenna and receiver	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 12:27
L31	13	("4361905"   "4710944"   "5180998"   "5280472"   "5437055").PN. OR ("5953659").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 12:59
L32	0	((plurality or multi or multiple or array) near2 antenna) same distributor same (bypass near3 antenna)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 13:00
L33	0	((plurality or multi or multiple or array) near2 antenna) and distributor same (bypass near3 antenna)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 13:09

## EAST Search History

L34	2	((plurality or multi or multiple or array) near2 antenna) and distributor and (bypass near3 antenna)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 13:03
L35	0	10/380587 and stop adj band	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 13:03
L36	0	10/380587 and stopband	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 13:07
L37	246	antenna with ((tunable or adjustable) near2 filter)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 13:08
L38	189	37 and transmit\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 13:08
L39	93	37 and ((plurality or multi or multiple or array) near2 antenna)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 13:09
L40	17	("5574993"   "5649303"   "5670964"   "5715526"   "5764699"   "5815801"   "6006062").PN. OR ("6052605").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 13:47
L41	1	multiband tunable filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 13:53
L42	0	DAC with (TDMA or (time division)) near2 demultiplexer	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 13:54
L43	0	DAC with ((TDMA or (time division)) near2 demultiplexer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 13:54
L44	2	DAC same ((TDMA or (time division)) near2 demultiplexer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 13:56
L45	455	((TDMA or (time division)) near2 demultiplexer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 13:56
L46	208	45 and transmitter	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 13:56
L47	16	46 and ((plurality or multi or multiple or array) near2 antenna)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 13:57

## EAST Search History

S1	8683	375/148,260,146,147,316,295,219. ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/28 10:09
S2	31	digital exciter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/28 10:27
S4	2	"5418818".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/28 10:29
S5	18	transmit\$3 same (digital exciter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/28 11:01
S6	1	10/700310	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/28 11:01
S7	1	S6 and decoder	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/28 11:06
S8	1	((plurality or multi) near2 antenna) same (digital near2 analog near2 converter) same (distribut\$3 or interleaver) same (baseband with (multi adj carrier) with signal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/28 11:10
S9	1	((plurality or multi) near2 antenna) same ((digital near2 analog near2 converter) or adc) same (distribut\$3 or interleaver) same (baseband with (multi adj carrier) with signal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/28 11:11

## EAST Search History

S10	14	((plurality or multi) near2 antenna) and ((digital near2 analog near2 converter) or adc) and (distribut\$3 or interleaver) and (baseband with (multi adj carrier) with signal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/28 15:09
S11	0	((plurality or multi) near2 antenna) same ((digital near2 analog near2 converter) or adc) same (distribut\$3 or interleaver) same (modulat\$3 with (mux or multiplex\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/28 11:26
S12	236	((plurality or multi) near2 antenna) and ((digital near2 analog near2 converter) or adc) and (distribut\$3 or interleaver) and (modulat\$3 with (mux or multiplex\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/28 11:27
S13	0	((plurality or multi) near2 antenna) and (((digital near2 analog near2 converter) or adc) same (distribut\$3 or interleaver) same (modulat\$3 with (mux or multiplex\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/28 11:28
S14	33	((plurality or multi) near2 antenna) and (((digital near2 analog near2 converter) or adc) and (distribut\$3 or interleaver) same (modulat\$3 with (mux or multiplex\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/28 14:22
S15	2	"5914933".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/28 14:22
S16	49	("5416767"   "5507035"   "5548582"   "5602835"   "5610908"   "5675572"   "5687165").PN. OR ("5914933").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/02/28 14:47
S17	26	S16 and distribut\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/02/28 14:48
S18	2	"6131016".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/28 15:10

## EAST Search History

S20	2	"6331837".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/28 15:16
S21	2	2002/0176510	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/28 15:12
S22	3	2002/0101935	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/28 15:17
S23	7	2002/0101936	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/02/28 15:17
S24	23	("20020006157"   "20020012403"   "20020061068"   "20020101935"   "20020101936"   "20020118729"   "20030012292"   "20030022639"   "20030026351"   "20030063685"   "20030086507"   "5093840"   "5107225"   "5125100"   "5357541"   "5751705"   "5790555"   "5799010"   "5991329"   "6188732"   "6307892"   "6430213"   "6522869").PN. OR ("6982965"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/02/28 15:41
S25	1	"5249201".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/02/28 15:42
S26	1	"5680388".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/02/28 15:45
S27	1	"5838675".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/02/28 15:45
S28	1	"6291924".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/02/28 15:46

## EAST Search History

S29	0	"6404783291924".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/02/28 15:46
S30	1	"6404783".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/02/28 15:47
S31	1	"6442214".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/02/28 15:51
S32	3	distribut\$3 with (multi adj carrier with signal) with filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/02/28 15:55
S33	2536	antenna and (distribut\$3 with filter)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/02/28 15:55
S34	24	S33 and (multi adj carrier adj signal)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/02/28 15:58
S35	6	S34 and (distributor or distributing)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/02/28 16:03
S36	5556	distribution method	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/02/28 16:04
S37	642	S36 and transmitter	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/02/28 16:04
S38	8	S37 and ((multicarrier or multi-carrier or multi carrier) near3 signal)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/02/28 16:09
S39	524125	receiver	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/02/28 16:09
S40	19654	S39 and (antenna near3 (purity or multi\$3 or array))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/02/28 16:12
S41	1402	S40 and adc	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/02/28 16:12
S42	315	S41 and (signal combin\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/02/28 16:13
S43	74	S42 and (digital process\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/02/28 16:13

## EAST Search History

S44	6	S43 and (combin\$3 with adc)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 06:55
S45	1	"7184490".pn. and filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 09:01
S46	2065	distribut\$3 with (antenna near2 (plurality or array or multi))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 08:21
S47	130	distributor with (antenna near2 (plurality or array or multi))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 07:16
S48	56	S47 and transmitter	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 08:05
S49	1	"7184490".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 12:30
S50	9	("20020176510"   "20020191705"   "5646631"   "5710990"   "5835536"   "5914933"   "6313703"   "6639463"   "6798843").PN. OR ("7184490").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 07:50
S51	3	distributor with (time near2 division near2 demultiplexer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 08:07
S52	545	distributor with (decoder)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 08:07
S53	12	S52 same antenna	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 08:07
S54	491	split\$4 with (antenna near2 (plurality or array or multi))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 08:22
S55	322	S54 and transmitter	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 08:22
S56	59	S55 and (split\$4 with filter)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 11:07
S57	0	"6664921".pn. and multi adj carrier	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 11:08
S58	74	(combiner with (multi adj1 carrier)) and receiver	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 12:33



## EAST Search History

S59	404	antenna with ((adjustable or tunable or variable) near2 filter)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 11:36
S60	125	S59 and ((multi\$ or array or plurality) near2 antenna)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 11:37
S61	44	("2298409"   "2640193"   "3310742"   "3342941"   "3717833"   "3835430"   "4238855"   "4262355"   "4477781"   "4543554"   "4618831"   "4647868"   "4680559"   "4769900"   "4774481").PN. OR ("5163181"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 11:45
S62	0	"5526529".pn. digital	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 12:30
S63	10	(combiner with (multi adj1 carrier) with digital) and receiver	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 13:02
S64	74	(combiner with (multi adj1 carrier)) and receiver	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 13:02
S65	2	(combiner with (multi adj1 carrier) with analog) and receiver	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 13:04
S66	63	S64 not S63 not S65	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 13:26
S67	2183	exciter and (transmitter or transceiver)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 13:27
S68	61	S67 and (exciter same (DAC or (digital near2 analog near2 converter)))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 13:27
S69	10	S68 and share	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 13:31
S70	51	S68 not S69	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 13:38
S71	1	"3963297".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 13:38
S72	1	"6963297".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 13:57

## EAST Search History

S73	0	receiver same (indentif\$3 with interfer\$4 with signal with frequency with band)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 13:59
S74	7532	receiver and ((adjustable or tunable) with filter)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 14:00
S75	331	receiver and ((adjustable or tunable) with filter with interfer\$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 14:01
S76	50	receiver and (((adjustable or tunable) with filter with interfer\$4) same control)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 14:42
S77	61	single tune\$1 filter	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 14:31
S78	24	receiver and (((adjustable or tunable) with filter with control with signal) same interference)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 14:49
S79	10	S78 not S76	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 14:43
S80	1708	((adjustable or tunable) with filter with control with signal)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 14:56
S81	1672	S80 not S79 not S78 not S76	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 14:56
S82	4	S81 and reciever	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 14:56
S83	842	S81 and receiver	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/01 14:57
S84	345	S83 and interference	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/03/02 07:09